DRILL HOLES

DRILL HOLES

DRILL HOLES

PROPOSED SIGNS

14,17

S1-1
30"x 30"
FY/G

GROUND
MOUNTED

W16-7p(L)
24" X 12"
FY/G

NOTE: MD 117 IS CONSIDERED TO
RUN IN AN EAST-WEST DIRECTION.

R10-3(1)
9" x 15"
PUSH BUTTON
TO CROSS
KINGSVILLE ROAD

STREET NAME
IN
BRAILLE TYPE 2

22
KINGSVILLE ROAD

R10-3(1)
9" x 15"
PUSH BUTTON
TO CROSS
KINGSVILLE ROAD

STREET NAME
IN
BRAILLE TYPE 2

23

R10-3(1)
9" x 15"
PUSH BUTTON
TO CROSS
CLOPPER ROAD

STREET NAME
IN
BRAILLE TYPE 2

24
CLOPPER ROAD

R10-3(1)
9" x 15"
PUSH BUTTON
TO CROSS
CLOPPER ROAD

STREET NAME
IN
BRAILLE TYPE 2

25

EXISTING SIGNS

15B,18A   15A,18B

Kingsview Rd 18000 ⇨   ⇦ Kingsview Rd <18000
D-3(1)
(DUAL-FACED)

13

OM1-(1)
18"x 18"

16

RIGHT LANE
MUST
TURN RIGHT

R3-7R

20

EAST
MARYLAND
117
⟵

21

WEST
⟶

M95-1(MOD)   WI-7

EXISTING SIGNALS

1,4   2,3,5-8

R   R
Y   Y
G   G

8"   12"

PROPOSED SIGNALS

9,10,11,12
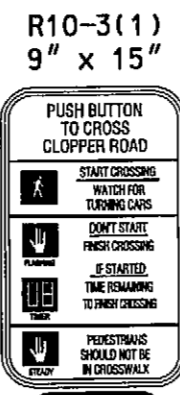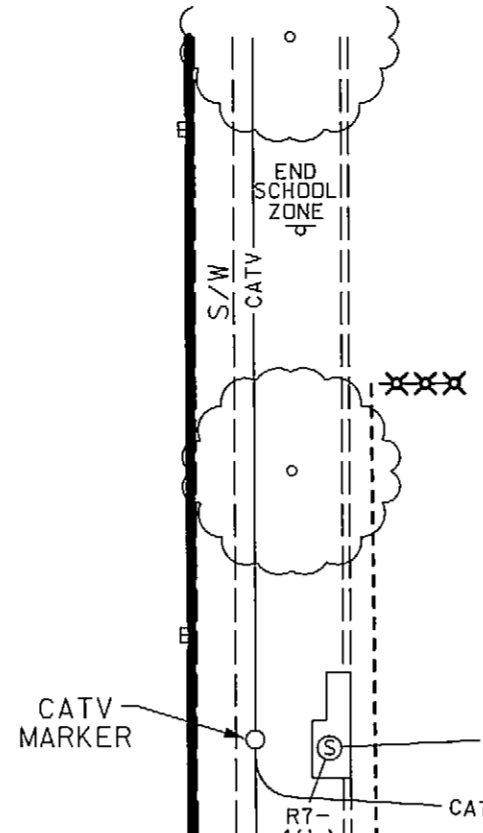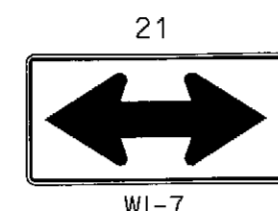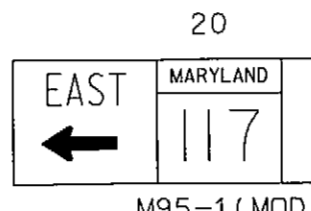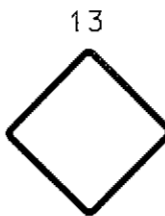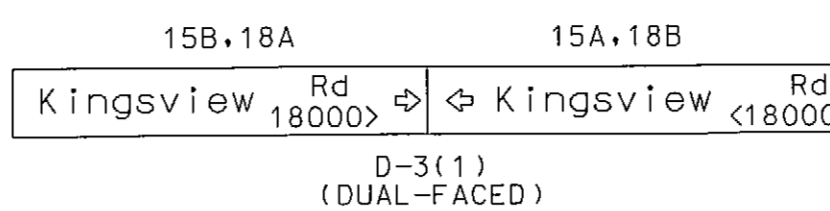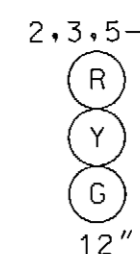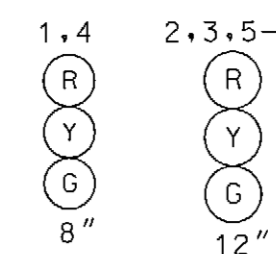
LED 16"
COUNTDOWN
PEDESTRIAN
SIGNAL HEAD

NEMA PHASING

Ø2   Ø4   Ø4 ALT

Ø6   FLASHING
OPERATION
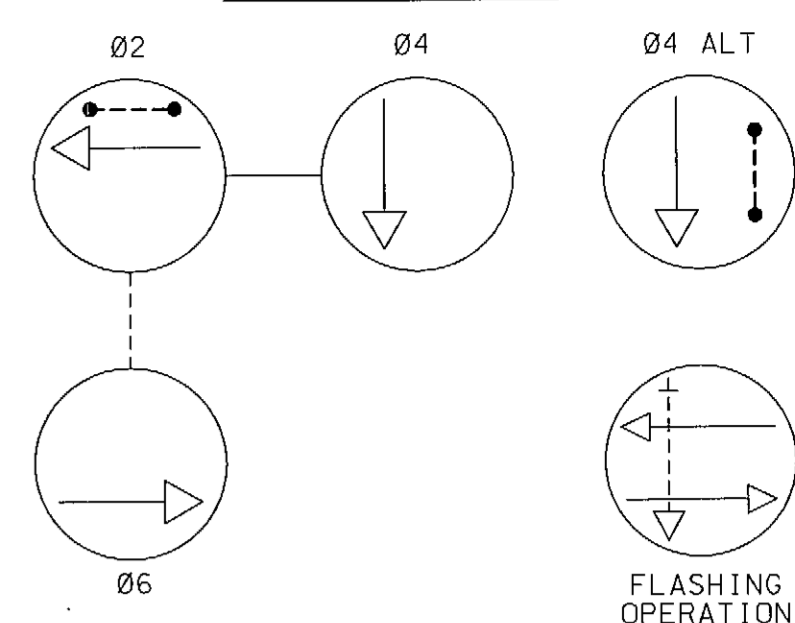
PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
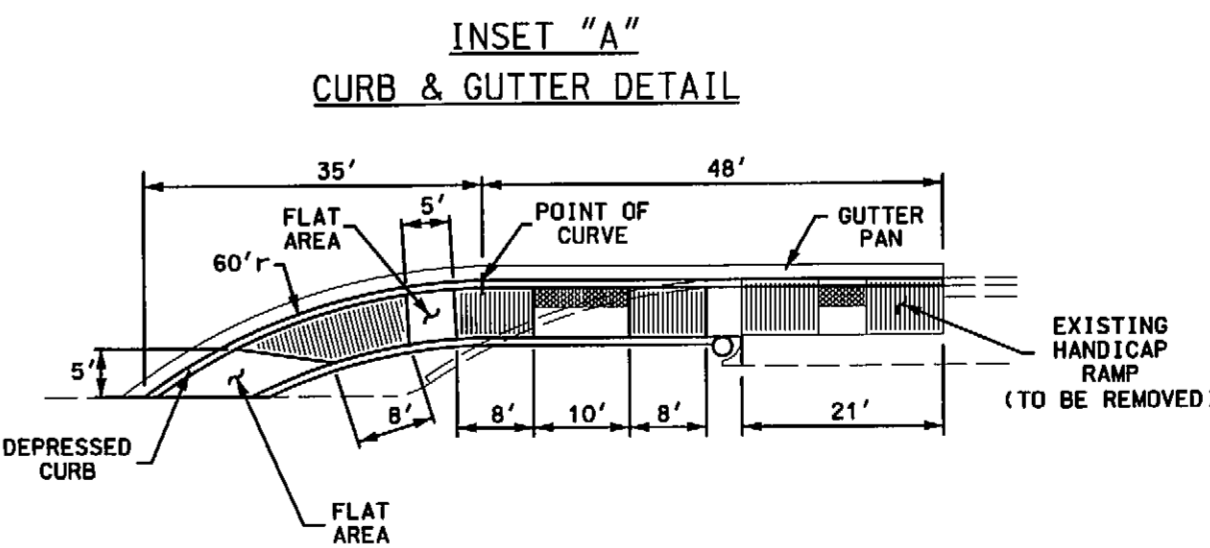
KINGSVIEW RD

END
SCHOOL
ZONE

S1-1,
SCHOOL

CATV
MARKER

EXISTING OVERHEAD I/C
WEST TO HOPKINS RD

PEPCO
718485
3212

PEPCO
78485
4506

VERIZON
HB

BUS STOP

BUS
SIGN

Boyds 3

PEPCO
718484
6197

PEPCO
718484
7788

EXISTING OVERHEAD
I/C EAST TO MD 118

RIGHT OF WAY LINE

RIGHT OF WAY LINE

MD 117 (CLOPPER RD) (WBL)

MD 117 (CLOPPER RD) (EBL)

R4- GRASS MEDIAN

SEE INSET "A"

SHOULDER

BUS SIGN

BUS STOP

MACADAM S/W

MACADAM S/W

D/W

CONSTRUCTION DETAILS

A. Install 10' (18" breakaway coupling foundation STD No. 801.01-01), Countdown pedestrian signal head, audible pushbutton with pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 10' (18" breakaway coupling foundation STD No. 801.01-01), Countdown pedestrian signal heads, audible pushbutton with pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

C. Install 5'(18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with APS pushbutton and pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).

D. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

E. Install 12" white, heat applied permanent preformed thermoplastic pavement marking (crosswalk/crosshatching).

F. Install 24" white, heat applied permanent preformed thermoplastic pavement marking (stopline).

G. Remove existing pavement markings (stopline).

H. Remove existing handicapped ramp and install proposed parallel handicapped ramp with detectable warning surface (Std. No. MD 655.40).

J. Existing underground electrical service by PEPCO to be maintained.

K. Install proposed parallel handicapped ramp (Std. No. MD 655.12) with detectable warning surface (Std. No. MD 655.40).

L. Install curb and gutter as shown (see inset "A"). Remove existing shoulder material and backfill behind curb as needed.

M. Remove existing curb and gutter.

N. Use existing handhole.

O. Use existing conduit.

P. Use existing cabinet and controller.

Q. Install handhole.

R. Remove existing handicapped ramp and install new curb and gutter with sidewalk as shown.

S. Remove existing handicapped ramp as shown.

T. Install S1-1 and W16-7P(L) sign on 4x4 wood post as shown.

U. Relocate existing object marker 38' to the west as shown.

V. Relocated object marker.

W. Existing overhead interconnect cable.

X. Existing underground interconnect cable.

Y. The contractor is to use caution while removing the existing curb and installing the proposed to not disturb the existing lead-ins.
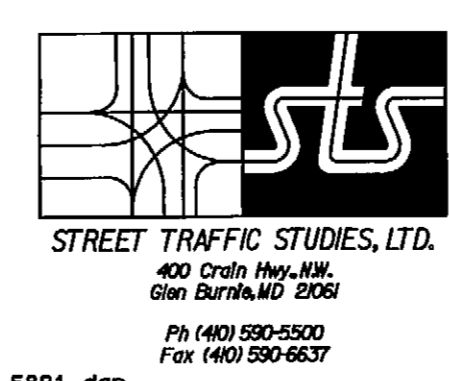
GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.

2. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections, Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.

3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.

4. Poles are to be located so that they can be activated by a person in a wheelchair from a 60"x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.

5. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necesary a design waiver is obtained.

6. Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".

7. The 10' separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole.

8. Pushbutton arrows are to be parallel to the crossing for which they are intended.

9. The contractor shall remove all unused wiring.

INSET "A"
CURB & GUTTER DETAIL

FLAT
AREA

POINT OF
CURVE

GUTTER
PAN

EXISTING
HANDICAP
RAMP
(TO BE REMOVED)

DEPRESSED
CURB

FLAT
AREA

SHA No: BW996M83
MD 117 @ Kingsview Drive

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A —
ELECTRIC — E —
TELEPHONE — T —
GAS — G —
SEWER — S —
WATER — W —
CABLE TV — TV —

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 2061
Ph (410) 590-6500
Fax (410) 590-6637

5891.dgn

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 117 (CLOPPER RD) AND KINGSVIEW ROAD
GERMANTOWN, MD

TRAFFIC SIGNAL PLAN

SCALE 1"= 20'   DATE 8/1998   CONTRACT NO.

DESIGNED BY DBD   COUNTY MONTGOMERY
DRAWN BY   LOGMILE 15011707.30
CHECKED BY   TIMS NO. K422
F.A.P. NO.   TOD NO.

TS NO. 3798A   DRAWING NO. 1 OF 2   SHEET NO. OF

APPROVALS

TEAM LEADER
ASST. DIV.
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

8/3/10   INSTALL PED PHASE ACROSS N&E LEGS WITH CPS, APS
SHA NO.: BW996M82

PEPCO
NO NUMBER

RIGHT OF WAY LINE

PLOTTED: #DATETIME#
FILE: #FILE#